



COMMONWEALTH of VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010520
CERTIFICATION DATE: November 13, 2013
DATE RECERTIFICATION DUE: May 12, 2014

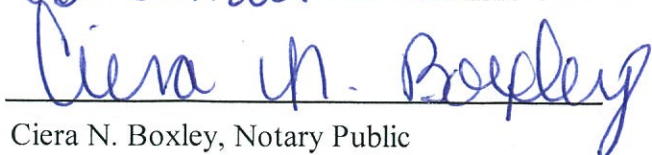
The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.


Melissa Kennedy

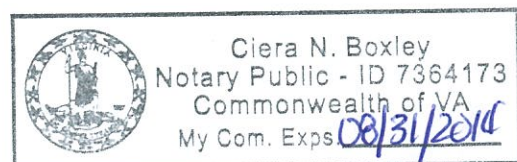
Program Manager, Calibration & Training

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 2nd day of
December, 2013 by Melissa Kennedy


Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014
TIN



DBH
WMA

**Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 11/19/2013**

Instrument Serial Number: 010520

As of 19-Nov-13

Maintenance Date	Certification Date	Technician Initials	Remarks
13-Nov-13	13-Nov-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
10-Jul-13	29-May-13	MMB (26417)	REPLACED UPS BACK-UP BATTERY.
29-May-13	29-May-13	DBH (21250)	CERTIFIED.
13-Dec-12	13-Dec-12	DBH (21250)	CERTIFIED.
12-Dec-12	12-Dec-12	DBH (21250)	CERTIFIED.
03-Jul-12	03-Jul-12	TLN (25387)	CERTIFIED. REPLACED DRY GAS STANDARD.
27-Jan-12	18-Jan-12	DBH (21250)	CORRECTED DRY GAS STANDARD EXPIRATION DATE IN INSTRUMENT MEMORY.
18-Jan-12	18-Jan-12	DBH (21250)	CERTIFIED, REPLACED DRY GAS STANDARD.
27-Jul-11	27-Jul-11	DBH (21250)	CERTIFIED
01-Feb-11	01-Feb-11	RJP (22428)	CERTIFIED.
17-Aug-10	17-Aug-10	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED.
01-Mar-10	01-Mar-10	RJP (22428)	CALIBRATED AND CERTIFIED.
23-Sep-09	23-Sep-09	RJP (22428)	CERTIFIED.
11-Sep-09	11-Sep-09	DBH (21250)	CALIBRATED AND CERTIFIED.
01-Jul-09	01-Jul-09	DBH (21250)	CALIBRATED AND CERTIFIED.
14-Apr-09	14-Apr-09	NMJ (22392)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
11-Feb-09	11-Feb-09	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

DBH

MK

INTOX EC/IR II

Quality Assurance Worksheet

Instrument Serial Number 010520 Worksheet Start Date 11/13/2013

Location Albemarle County Regional Jail

Address 160 Peregrine Ln Charlottesville VA 22902

DFS Technician Donald Hall License No. 21250

☐ Laboratory ☒ On-Site

Site Specifications

Yes No

1 Secured Environment:

Location must not be accessible to the general public.

☒ ☐

2 Environment free from contaminants

☒ ☐

3 Dedicated telephone line:

The phone line should be used solely by the instrument.

☒ ☐

4 Adequate Ventilation:

Enough space must be provided for the instrument and the printer to allow for adequate ventilation.

☒ ☐

5 Stable temperature controls:

The instrument should not be exposed to direct sources of temperature variation.

☒ ☐

6 115VAC power source:

Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.

☒ ☐

7 Room Condition:

The site should be free of excessive moisture, heat and dust.

☒ ☐

Old serial no. New serial no.

E-Seek
Keyboard
Printer
UPS

Supplies

Mouthpieces 100

Certificates of Analysis 100

Operator Worksheet 50

Other:

Maintenance (if any)

Firmware/software upgrade.

Comments (if any)

Instrument Serial Number 010520

Certification Date 11/13/2013

Instrument Barometer (mm HG) 758

Reference Barometer (mm HG) 758

Reference Barometer(RB)Serial # 009109

RB Calibration Due 8/1/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.250	0.249	0.241	0.256	Sample 2	0.247
Precision		sample min	sample max	Sample 3	0.247
0		0.247	0.247		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.150	0.149	0.144	0.153	Sample 2	0.149
Precision		sample min	sample max	Sample 3	0.149
0		0.149	0.149		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.080	0.080	0.077	0.083	Sample 2	0.080
Precision		sample min	sample max	Sample 3	0.080
0		0.080	0.080		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.020
0.001		0.019	0.020		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated☒ Certified☒ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG320502-22

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.100	0.100	0.097	0.103	Sample 2	0.100
Precision		sample min	sample max	Sample 3	0.100
0		0.100	0.100		

DFS Technician

Donald B Hall

Date

11/19/13

Issuing Analyst

Mehsa Kennedy

Date

11/24/13

Intox EC/IR II QA Worksheet

Issued by Calibration and Training Program Manager

Issue Date: 4-March-2013

DFS Document 250-F113

Revision 6

Page 2 of 2



COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED	NAME OF COURT
INSTRUMENT, TEST,	DFS

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY		AGENCY
HALL, DONALD, B		DFS Central Lab
DFS LICENSE NUMBER	LICENSE EXPIRES	DATE TEST CONDUCTED
21250	10/01/2014	11/13/2013
TEST EQUIPMENT NUMBER		
010520		

RESULTS: TIME SAMPLE TAKEN 13:57 EST

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 18 Nov 2013 at 12:13

DBH

MM

Test Results

Instrument Serial Number 010520

Test # 001326 Subject Test

Test Location 1 Department of
Test Date 13 Nov 2013

Test Location 2 Forensic Science
Test Time 13:51
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name HALL
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B

Card Serial Number 121250

Effective Date 10/01/2012

License Number 21250

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 13 Nov 2013 End Time 13:59

Result Time 13:57

Result Date 13 Nov 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 13:52

Data Type BLK

Sample Value 0.000

Sample Time 13:52

Data Type CHK

Sample Value 0.102

Sample Time 13:53

Data Type BLK

Sample Value 0.000

Sample Time 13:54

Data Type SUBJ

Sample Value 0.000

Sample Time 13:55

Data Type BLK

Sample Value 0.000

Sample Time 13:56

Data Type SUBJ

Sample Value 0.000

Sample Time 13:57

Data Type BLK

Sample Value 0.000

Sample Time 13:58

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG210901-05

Standard Expiration Date 04/18/2014

Tank Pressure 477

Barometric Pressure 758 mmHg

Blow Sample Number 1 Blow Duration 3.29 sec

Blow Volume 1749 cc End-of-Blow Time 13:55

Blow Sample Number 2 Blow Duration 3.54 sec

Blow Volume 1742 cc End-of-Blow Time 13:57

Tamper Evident Stamp 4861ad98

Test Status Code 0

Test Status Success

DBH

INTOX EC/IR-11: Accuracy Check

NW

Department of Forensic Science

Serial Number: 010520 Test Number: 1327
Test Date: 11/13/2013 Test Time: 14:00 EST
Div Gas Target: 0.100
Lot Number: AG210901-05 Exp Date: 04/18/2014
Tank Pressure: 477 PSI Barometric Pressure: 151 mmHg
System Check: Passed

Test	g/210L	Time
BLK	0.000	14:00
CHK	0.101	14:01
BLK	0.000	14:03
CHK	0.101	14:03
BLK	0.000	14:05
CHK	0.101	14:05

Test Status: Success

Calibration CRC: 10C60837

DBH

INTOX EC/IR-11: Accuracy Check

NHL

Department of Forensic Science

Serial Number: 010520 Test Number: 1528

Test Date: 11/13/2013 Test Time: 14:09 EST

Dry Gas Target: 0.299

Lot Number: AG322702-04 Exp Date: 08/15/2015

Tank Pressure: 100 PSI Barometric Pressure: 151 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	14:09
CHK	0.301	14:10
BLK	0.000	14:12
CHK	0.301	14:13
BLK	0.000	14:14
CHK	0.300	14:15

Test Status: Success

Calibration CRC: 10C60837

Intox EC/IR-II: Software Version

Department of Forensic Science

Serial Number: 010520

System Date: 11/13/2013

System Time: 14:53 EST

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

DBH

MSL

DBH

Intox EC/IR-II: Calibration

WKL

Department of Forensic Science

Serial Number: 010520 Test Number: 1329

Test Date: 11/13/2013 Test Time: 14:54 EST

Dry Gas Target: 0.100

Lot Number: 0651210013-05 Exp Date: 04/01/2014

Tank Pressure: 375 psi Barometric Pressure: 757 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	14:55
CAL	0.100	14:56

Test Status: *Success*

Calibration CRC: CDB91AC2

DBH

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010520 Test Number: 1330

Test Date: 11/13/2013 Test Time: 14:59 EST

DBH

Technician Initials: DBH

Dry Gas Target: 0.249

Lot Number: 2961225012-10 Exp Date: 11/01/2014

Tank Pressure: 139 psi Barometric Pressure: 757 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:59
BLK	0.000	15:00
CHK	0.247	15:01
BLK	0.000	15:02
CHK	0.247	15:03
BLK	0.000	15:05
CHK	0.247	15:06
BLK	0.000	15:07

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010520 Test Number: 1331
Test Date: 11/13/2013 Test Time: 15:09 EST

Technician Initials: DBH

Dry Gas Target: 0.149

Lot Number: 2951215012-03 Exp Date: 11/01/2014

Tank Pressure: 664 psi Barometric Pressure: 757 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	15:10
BLK	0.000	15:11
CHK	0.149	15:12
BLK	0.000	15:13
CHK	0.149	15:14
BLK	0.000	15:15
CHK	0.149	15:16
BLK	0.000	15:17

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

DBH

WHL

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010520 Test Number: 1332
Test Date: 11/13/2013 Test Time: 15:19 EST

Technician Initials: DBH

Dry Gas Target: 0.080

Lot Number: 0651208012-03 Exp Date: 04/01/2014

Tank Pressure: 105 psi Barometric Pressure: 757 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	15:20
BLK	0.000	15:21
CHK	0.080	15:21
BLK	0.000	15:23
CHK	0.080	15:23
BLK	0.000	15:25
CHK	0.080	15:25
BLK	0.000	15:27

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

DBH

Department of Forensic Science

Serial Number: 010520 Test Number: 1333
Test Date: 11/13/2013 Test Time: 15:29 EST

WHL

Technician Initials: DBH

Dry Gas Target: 0.020

Lot Number: 0771302011-02 Exp Date: 05/01/2015

Tank Pressure: 977 psi Barometric Pressure: 757 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	15:29
BLK	0.000	15:30
CHK	0.019	15:31
BLK	0.000	15:32
CHK	0.019	15:33
BLK	0.000	15:34
CHK	0.020	15:35
BLK	0.000	15:36

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

DBH

Intox EC/IR-II: Accuracy Check

MSK

Department of Forensic Science
Serial Number: 010520 Test Number: 1334
Test Date: 11/13/2013 Test Time: 15:39 EST
Dry Gas Target: 0.299
Lot Number: AG322702-04 Exp Date: 08/15/2015
Tank Pressure: 90 psi Barometric Pressure: 757 mmHg
System Check: Passed

Test	g/210L	Time
BLK	0.000	15:40
CHK	0.300	15:41
BLK	0.000	15:42
CHK	0.301	15:43
BLK	0.000	15:45
CHK	0.300	15:46

Test Status: Success

Calibration CRC: CDB91AC2

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010520 Test Number: 1335

Test Date: 11/13/2013 Test Time: 15:50 EST

Dry Gas Target: 0.100

Lot Number: AG320502-22 Exp Date: 07/24/2015

Tank Pressure: 1120 psi Barometric Pressure: 757 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	15:50
CHK	0.100	15:51
BLK	0.000	15:53
CHK	0.100	15:54
BLK	0.000	15:55
CHK	0.100	15:56

Test Status: *Success*

Calibration CRC: CDB91AC2

DBH

WHL




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 11/13/2013
TEST EQUIPMENT NUMBER 010520		

RESULTS: TIME SAMPLE TAKEN 16:06 EST
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 18 Nov 2013 at 12:13

DBH

JNL

Test Results

Instrument Serial Number 010520**Test # 001336 Subject Test**

Test Location 1 Department of
Test Date 13 Nov 2013

Test Location 2 Forensic Science
Test Time 16:00
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name HALL
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B
License Number 21250

Card Serial Number 121250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 13 Nov 2013 End Time 16:07

Result Time 16:06

Result Date 13 Nov 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 16:00

Data Type BLK

Sample Value 0.000

Sample Time 16:01

Data Type CHK

Sample Value 0.100

Sample Time 16:02

Data Type BLK

Sample Value 0.000

Sample Time 16:03

Data Type SUBJ

Sample Value 0.000

Sample Time 16:04

Data Type BLK

Sample Value 0.000

Sample Time 16:05

Data Type SUBJ

Sample Value 0.000

Sample Time 16:06

Data Type BLK

Sample Value 0.000

Sample Time 16:07

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG320502-22

Standard Expiration Date 07/24/2015

Tank Pressure 1120

Barometric Pressure 757 mmHg

Blow Sample Number 1 Blow Duration 3.44 sec

Blow Volume 1862 cc End-of-Blow Time 16:04

Blow Sample Number 2 Blow Duration 3.62 sec

Blow Volume 1945 cc End-of-Blow Time 16:06

Tamper Evident Stamp 0c515094

Test Status Code 0

Test Status Success